```
Trying 9351006...Open

Welcome to STN International!   Enter x:x
LOGINID:sssptal6451xl
PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2


* * * * * * * * *   Welcome to STN International   * * * * * * * * *

NEWS  1  Feb  2  Web Page URLs for STN Seminar Schedule - N. America
NEWS  2  Apr 26  Important Derwent Announcement about CPI Changes to
                 CPI Subscriber Indexing in 1999

NEWS EXPRESS  STN Express with Discover! - New V4.1b Free to V4.1
              Customers
NEWS HOURS    STN Operating Hours Plus Help Desk Availability
NEWS INTER    General Internet Information
NEWS LOGIN    Welcome Banner and News Items
NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
NEWS WWW      CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

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* * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:36:29 ON 11 MAY 1999

=> file

ENTER A FILE NAME OR (HOME):medline
                                        SINCE FILE      TOTAL
COST IN U.S. DOLLARS                         ENTRY    SESSION
                                              0.15       0.15
FULL ESTIMATED COST

FILE 'MEDLINE' ENTERED AT 15:37:12 ON 11 MAY 1999

  FILE LAST UPDATED: 4 MAY 1999 (19990504/UP).  FILE COVERS 1966 TO DATE.

MEDLINE has been reloaded to reflect the annual MeSH changes made  by
the National Library of Medicine for 1999.  Enter HELP RLOAD for details.

THIS FILE CONTAINS CAS REGISTRY NUMBERS FOR EASY AND ACCURATE
SUBSTANCE IDENTIFICATION.

=> s group a (a) strepococc?

      594589 GROUP
     5227820 A
       27333 GROUP A
             (GROUP(W)A)
```

```
                    6 STREPOCOCC?
   L1               0 GROUP(A) STREPOCOCC?

   => s group a streptococc?

             594589 GROUP
            5227820 A
              52196 STREPTOCOCC?
   L2          2992 GROUP A STREPTOCOCC?
                    (GROUP(W)A(W)STREPTOCOCC?)
_____

   => s  streptococc? group a

              52196 STREPTOCOCC?
             594589 GROUP
            5227820 A
   L3           408 STREPTOCOCC? GROUP A
                    (STREPTOCOCC?(W)GROUP(W)A)

   => s (immuno? or vaccin?) and (l2 or l3)

            1123901 IMMUNO?
              94460 VACCIN?
   L4          1505 (IMMUNO? OR VACCIN?) AND (L2 OR L3)

   => s immunogenic (w) (portion# or polypeptide# or protien# or peptide#) and l4

               8784 IMMUNOGENIC
              67929 PORTION#
              69047 POLYPEPTIDE#
                 44 PROTIEN#
             264336 PEPTIDE#
                352 IMMUNOGENIC (W) (PORTION# OR POLYPEPTIDE# OR PROTIEN# OR
   PEPTIDE
                    #)
   L5             0 IMMUNOGENIC (W) (PORTION# OR POLYPEPTIDE# OR PROTIEN# OR
   PEPTIDE
                    #) AND L4

   => s  (portion# or polypeptide# or protien# or peptide#) and l4

              67929 PORTION#
              69047 POLYPEPTIDE#
                 44 PROTIEN#
             264336 PEPTIDE#
   L6           177 (PORTION# OR POLYPEPTIDE# OR PROTIEN# OR PEPTIDE#) AND L4

   => s (immunogenic or antigenic)  and l6

               8784 IMMUNOGENIC
              37489 ANTIGENIC
   L7            28 (IMMUNOGENIC OR ANTIGENIC)  AND L6

   => display

   ENTER (L7), L# OR ?:l7

   ENTER ANSWER NUMBER OR RANGE (1):1-28

   ENTER DISPLAY FORMAT (BIB):bib,ab


   L7    ANSWER 1 OF 28  MEDLINE
   AN    97313131       MEDLINE
   DN    97313131
```

COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.30	5.45

```
=> s protect?(2a) immunogenicity

        159832 PROTECT?
          7581 IMMUNOGENICITY
L3         188 PROTECT?(2A) IMMUNOGENICITY

=> d his


     (FILE 'HOME' ENTERED AT 09:49:21 ON 12 MAY 1999)

     FILE 'MEDLINE' ENTERED AT 09:49:39 ON 12 MAY 1999
L1      3282 S GROUP A STREPTOCOCC? OR STREPTOCOCC? GROUP A
L2        10 S MULTI?(W) (SEROTYPE# OR PEPTIDE# ANTIGEN# OR VACCINE# OR
IMMU
L3       188 S PROTECT?(2A) IMMUNOGENICITY

=> s 11 and 13

L4          3 L1 AND L3

=> display

ENTER (L4), L# OR ?:14

ENTER ANSWER NUMBER OR RANGE (1):1-3

ENTER DISPLAY FORMAT (BIB):bib,ab


L4   ANSWER 1 OF 3  MEDLINE
AN   93346765     MEDLINE
DN   93346765
TI   Recombinant tetravalent group A streptococcal
     M protein vaccine.
AU   Dale J B; Chiang E Y; Lederer J W
CS   Department of Veterans Affairs Medical Center, Memphis, TN 38104..
NC   AI-10085 (NIAID)
SO   JOURNAL OF IMMUNOLOGY, (1993 Aug 15) 151 (4) 2188-94.
     Journal code: IFB. ISSN: 0022-1767.
CY   United States
DT   Journal; Article; (JOURNAL ARTICLE)
LA   English
FS   Abridged Index Medicus Journals; Priority Journals; Cancer Journals
EM   199311
AB   Previous studies have shown that the amino-terminal regions of
```

=> s group a streptococc? or streptococc? group a

```
          595453  GROUP
         5233967  A
           52234  STREPTOCOCC?
            2995  GROUP A STREPTOCOCC?
                     (GROUP(W)A(W)STREPTOCOCC?)
           52234  STREPTOCOCC?
          595453  GROUP
         5233967  A
             408  STREPTOCOCC? GROUP A
                     (STREPTOCOCC?(W)GROUP(W)A)
L1          3282  GROUP A STREPTOCOCC? OR STREPTOCOCC? GROUP A
```

=> s multi?(w) (serotype# or peptide# antigen# or vaccine# or immunogen#)
<------User Break------>
u

=> s multi?(w) (serotype# or peptide# antigen# or vaccine# or immunogen#) and
l1

```
          491980  MULTI?
           15809  SEROTYPE#
          264697  PEPTIDE#
          409497  ANTIGEN#
             739  PEPTIDE# ANTIGEN#
                     (PEPTIDE#(W)ANTIGEN#)
           76068  VACCINE#
            4469  IMMUNOGEN#
             272  MULTI?(W) (SEROTYPE# OR PEPTIDE# ANTIGEN# OR VACCINE# OR
IMMUNOG
                  EN#)
L2          10  MULTI?(W) (SEROTYPE# OR PEPTIDE# ANTIGEN# OR VACCINE# OR
IMMUNOG
                  EN#) AND L1
```

=> display

ENTER (L2), L# OR ?:12

ENTER ANSWER NUMBER OR RANGE (1):1-10

ENTER DISPLAY FORMAT (BIB):bib,ab


```
L2    ANSWER 1 OF 10   MEDLINE
AN    1999141627     MEDLINE
DN    99141627
TI    Multivalent group A streptococcal vaccine
      designed to optimize the immunogenicity of six tandem M protein
fragments.
AU    Dale J B
CS    Veterans Affairs Research Service, University of Tennessee, Memphis
38104,
      USA. dale.james_b +. @memphis.med.va.gov
NC    AI-10085 (NIAID)
SO    VACCINE, (1999 Jan) 17 (2) 193-200.     X
      Journal code: X60. ISSN: 0264-410X.
CY    ENGLAND: United Kingdom
DT    Journal; Article; (JOURNAL ARTICLE)
LA    English
FS    Priority Journals
```